



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Manuel Vega, *et. al*                      Art Unit : 1648  
Serial No. : 10/022,390                              Examiner : Hill, Myron G.  
Filed : December 17, 2001                      Conf. No. : 5547  
Cust. No. : 20985  
Title : MUTANT RECOMBINANT ADENO-ASSOCIATED VIRUSES

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO RESTRICTION REQUIREMENT AND PRELIMINARY  
AMENDMENT**

**Dear Sir:**

Responsive to the Requirement for Restriction mailed March 24, 2004, and the communication mailed December 15, 2004, Applicant elects, with traverse, Group XXIV, claims 57-64, directed to nucleic acid molecules encoding Rep proteins. Applicant also elects for search purposes, with traverse, a single nucleic acid molecule, SEQ ID NO:113, encoding a mutant Rep protein where the mutation is a replacement of a T by N at position 350 in the Rep78 protein, the AAV serotype is AAV-2 and the mutant has increased activity as compared to the native protein.

**Amendments to the specification** begin on page 2 of this paper

**Amendments to the claims** begin on page 3 of this paper.

**Remarks** begin on page 5 of this paper.

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I hereby certify that this paper is being deposited with the United States Postal "Express Mail Post Office to Addressee" Service under 37 CFR §1.10 on the date indicated above and is addressed to: Mail Stop Amendment Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA, 22313-1450.

Stephanie Seidman